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         PATENT APPLICATION:  US/09/836,392    TIME: 17:33:29

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     7 <130> FILE REFERENCE: PT020P1
C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/836,392
    10 <141> CURRENT FILING DATE: 2001-04-18
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    15 <150> PRIOR APPLICATION NUMBER: 60/159,542
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269 cattattctg tatgatgctg tgacagagaa gctgacgagg agagaagtgg aagctaaatt   1320
270 ttgtaatctg tctttgtctt ctaatagtct gtgtcgactc tacaagttta ttgaacagaa   1380
271 gggagatttg caagatctta tgccaacaat aaattcatta ataaaacaga aaacaggtat   1440
```

VERIFICATION SUMMARY
PATENT APPLICATION: **US/09/836,392**

DATE: 05/22/2001
TIME: 17:33:31

Input Set : **A:\Pto.amc**
Output Set: **C:\CRF3\05222001\I836392.raw**

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number

RAW SEQUENCE LISTING   DATE: 05/10/2001
PATENT APPLICATION: US/09/836,392 TIME: 08:43:24 **Does Not Comply**
                      Corrected Diskette Needed

Input Set : **A:\ES.txt**
Output Set: **N:\CRF3\05102001\I836392.raw**

```
  2 <110> APPLICANT: Ruben et al.
  4 <120> TITLE OF INVENTION: Protein Tyrosine Kinase Receptor Polynucleotides, Polypeptides, and
  5       Antibodies
  7 <130> FILE REFERENCE: PT020P1
C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/836,392
 10 <141> CURRENT FILING DATE: 2001-04-18
 12 <150> PRIOR APPLICATION NUMBER: PCT/US00/28066
 13 <151> PRIOR FILING DATE: 2000-10-11
 15 <150> PRIOR APPLICATION NUMBER: 60/159,542
 16 <151> PRIOR FILING DATE: 1999-10-15
 18 <150> PRIOR APPLICATION NUMBER: 60/165,914
 19 <151> PRIOR FILING DATE: 1999-11-17
 21 <150> PRIOR APPLICATION NUMBER: 60/189,027
 22 <151> PRIOR FILING DATE: 2000-03-14
 24 <160> NUMBER OF SEQ ID NOS: 34
 26 <170> SOFTWARE: PatentIn Ver. 2.0
```

ERRORED SEQUENCES

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699 <210> SEQ ID NO: 16
700 <211> LENGTH: 1134
701 <212> TYPE: PRT
702 <213> ORGANISM: Homo sapiens
704 <400> SEQUENCE: 16
705 Met Phe Cys Ser Phe Glu Thr Arg Arg His Leu Cys Met Val Met Glu
706   1               5                  10                  15
708 Tyr Val Glu Gly Gly Asp Cys Ala Thr Leu Leu Lys Asn Ile Gly Ala
709              20                  25                  30
711 Leu Pro Val Glu Met Ala Arg Met Tyr Phe Ala Glu Thr Val Leu Ala
712          35                  40                  45
714 Leu Glu Tyr Leu His Asn Tyr Gly Ile Val His Arg Asp Leu Lys Pro
715      50                  55                  60
717 Asp Asn Leu Leu Ile Thr Ser Met Gly His Ile Lys Leu Thr Asp Phe
718  65                  70                  75                  80
720 Gly Leu Ser Lys Met Gly Leu Met Ser Leu Thr Thr Asn Leu Tyr Glu
721              85                  90                  95
723 Gly His Ile Glu Lys Asp Ala Arg Glu Phe Leu Asp Lys Gln Val Cys
724              100                 105                 110
726 Gly Thr Pro Glu Tyr Ile Ala Pro Glu Val Ile Leu Arg Gln Gly Tyr
727          115                 120                 125
729 Gly Lys Pro Val Asp Trp Trp Ala Met Gly Ile Ile Leu Tyr Glu Phe
730      130                 135                 140
732 Leu Val Gly Cys Val Pro Phe Phe Gly Asp Thr Pro Glu Glu Leu Phe
733 145                 150                 155                 160
735 Gly Gln Val Ile Ser Asp Asp Ile Leu Trp Pro Glu Gly Asp Glu Ala
736              165                 170                 175
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/836,392

DATE: 05/10/2001
TIME: 08:43:24

Input Set : A:\ES.txt
Output Set: N:\CRF3\05102001\I836392.raw

```
738 Leu Pro Thr Glu Ala Gln Leu Leu Ile Ser Ser Leu Leu Gln Thr Asn
739             180                 185                 190
741 Pro Leu Val Arg Leu Gly Ala Gly Gly Ala Phe Glu Val Lys Gln His
742         195                 200                 205
744 Ser Phe Phe Arg Asp Leu Asp Trp Thr Gly Leu Leu Arg Gln Lys Ala
745     210                 215                 220
747 Glu Phe Ile Pro His Leu Glu Ser Glu Asp Asp Thr Ser Tyr Phe Asp
748 225                 230                 235                 240
750 Thr Arg Ser Asp Arg Tyr His His Val Asn Ser Tyr Asp Glu Asp Asp
751             245                 250                 255
753 Thr Thr Glu Glu Glu Pro Val Glu Ile Arg Gln Phe Ser Ser Cys Ser
754         260                 265                 270
756 Pro Arg Phe Ser Lys Val Tyr Ser Ser Met Glu Gln Leu Ser Gln His
757         275                 280                 285
759 Glu Pro Lys Thr Pro Val Ala Ala Ala Gly Ser Ser Lys Arg Glu Pro
760     290                 295                 300
762 Ser Thr Lys Gly Pro Glu Lys Val Ala Gly Lys Arg Glu Gly Leu
763 305                 310                 315                 320
765 Gly Gly Leu Thr Leu Arg Glu Lys Thr Trp Arg Gly Gly Ser Pro Glu
766         325                 330                 335
768 Ile Lys Arg Phe Ser Ala Ser Glu Ala Ser Phe Leu Glu Gly Glu Ala
769         340                 345                 350
771 Ser Pro Pro Leu Gly Ala Arg Arg Arg Phe Ser Ala Leu Leu Glu Pro
772         355                 360                 365
774 Ser Arg Phe Ser Ala Pro Gln Glu Asp Glu Asp Glu Ala Arg Leu Arg
775     370                 375                 380
777 Arg Pro Pro Arg Pro Ser Ser Asp Pro Ala Gly Ser Leu Asp Ala Arg
778 385                 390                 395                 400
780 Ala Pro Lys Glu Glu Thr Gln Gly Glu Gly Thr Ser Ser Ala Gly Asp
781             405                 410                 415
783 Ser Glu Ala Thr Asp Arg Pro Arg Pro Gly Asp Leu Cys Pro Pro Ser
784         420                 425                 430
786 Lys Asp Gly Asp Ala Ser Gly Pro Arg Ala Thr Asn Asp Leu Val Leu
787         435                 440                 445
789 Arg Arg Ala Arg His Gln Gln Met Ser Gly Asp Val Ala Val Glu Lys
790     450                 455                 460
792 Arg Pro Ser Arg Thr Gly Gly Lys Val Ile Lys Ser Ala Ser Ala Thr
793 465                 470                 475                 480
795 Ala Leu Ser Val Met Ile Pro Ala Val Asp Pro His Gly Ser Ser Pro
796             485                 490                 495
798 Leu Ala Ser Pro Met Ser Pro Arg Ser Leu Ser Ser Asn Pro Ser Ser
799         500                 505                 510
801 Arg Asp Ser Ser Pro Ser Arg Asp Tyr Ser Pro Ala Val Ser Gly Leu
802         515                 520                 525
804 Arg Ser Pro Ile Thr Ile Gln Arg Ser Gly Lys Lys Tyr Gly Phe Thr
805     530                 535                 540
807 Leu Arg Ala Ile Arg Val Tyr Met Gly Asp Thr Asp Val Tyr Ser Val
808 545                 550                 555                 560
810 His His Ile Val Trp His Val Glu Glu Gly Gly Pro Ala Gln Glu Ala
```

```
811                   565                570                575
813 Gly Leu Cys Ala Gly Asp Leu Ile Thr His Val Asn Gly Glu Pro Val
814                   580                585                590
816 His Gly Met Val His Pro Glu Val Val Glu Leu Ile Leu Lys Ser Gly
817               595                600                605
819 Asn Lys Val Ala Val Thr Thr Thr Pro Phe Glu Asn Thr Ser Ile Arg
820       610                615                620
822 Ile Gly Pro Ala Arg Arg Ser Ser Tyr Lys Ala Lys Met Ala Arg Arg
823 625                   630                635                640
825 Asn Lys Arg Pro Ser Ala Lys Glu Gly Gln Glu Ser Lys Lys Arg Ser
826               645                650                655
828 Ser Leu Phe Arg Lys Ile Thr Lys Gln Ser Asn Leu Leu His Thr Ser
829               660                665                670
831 Arg Ser Leu Ser Ser Leu Asn Arg Ser Leu Ser Ser Ser Asp Ser Leu
832           675                680                685
834 Pro Gly Ser Pro Thr His Gly Leu Pro Ala Arg Ser Pro Thr His Ser
835       690                695                700
837 Tyr Arg Ser Thr Pro Asp Ser Ala Tyr Leu Gly Ala Ser Ser Gln Ser
838 705                   710                715                720
840 Ser Ser Pro Ala Ser Ser Thr Pro Asn Ser Pro Ala Ser Ser Ala Ser
841               725                730                735
843 His His Ile Arg Pro Ser Thr Leu His Gly Leu Ser Pro Lys Leu His
844           740                745                750
846 Arg Gln Tyr Arg Ser Ala Arg Cys Lys Ser Ala Gly Asn Ile Pro Leu
847       755                760                765
849 Ser Pro Leu Ala His Thr Pro Ser Pro Thr Gln Ala Ser Pro Pro Pro
850       770                775                780
852 Leu Pro Gly His Thr Val Gly Ser Ser His Thr Thr Gln Ser Phe Pro
853 785                   790                795                800
855 Ala Lys Leu His Ser Ser Pro Pro Val Val Arg Pro Arg Pro Lys Ser
856               805                810                815
858 Ala Glu Pro Pro Arg Ser Pro Leu Leu Lys Arg Val Gln Ser Ala Glu
859           820                825                830
861 Lys Leu Gly Ala Ser Leu Ser Ala Asp Lys Lys Gly Ala Leu Arg Lys
862           835                840                845
864 His Ser Leu Glu Val Gly His Pro Asp Phe Arg Lys Asp Phe His Gly
865       850                855                860
867 Glu Leu Ala Leu His Ser Leu Ala Glu Ser Asp Gly Glu Thr Pro Pro
868 865                   870                875                880
870 Val Glu Gly Leu Gly Ala Pro Arg Gln Val Ala Val Arg Arg Leu Gly
871               885                890                895
873 Arg Gln Glu Ser Pro Leu Ser Leu Gly Ala Asp Pro Leu Leu Pro Glu
874           900                905                910
876 Gly Ala Ser Arg Pro Pro Val Ser Ser Lys Glu Lys Ser Pro Gly
877       915                920                925
879 Gly Ala Glu Ala Cys Thr Pro Pro Arg Ala Thr Thr Pro Gly Gly Arg
880       930                935                940
882 Thr Leu Glu Arg Asp Val Gly Cys Thr Arg His Gln Ser Val Gln Thr
883 945                   950                955                960
```

```
       Input Set : A:\ES.txt
       Output Set: N:\CRF3\05102001\I836392.raw

     885 Glu Asp Gly Thr Gly Gly Met Ala Arg Ala Val Ala Lys Ala Ala Leu
     886             965             970             975
     888 Ser Pro Val Gln Glu His Glu Thr Gly Arg Arg Ser Ser Ser Gly Glu
     889             980             985             990
     891 Ala Gly Thr Pro Leu Val Pro Ile Val Val Glu Pro Ala Arg Pro Gly
     892         995             1000            1005
     894 Ala Lys Ala Val Val Pro Gln Pro Leu Gly Ala Asp Ser Lys Gly Leu
     895     1010            1015            1020
     897 Gln Glu Pro Ala Pro Leu Ala Pro Ser Val Pro Glu Ala Pro Arg Gly
E--> 898 1025            1030 1030          1035 1035          1040 1040
     900 Arg Glu Arg Trp Val Leu Glu Val Val Glu Glu Arg Thr Thr Leu Ser
E--> 901             1045            1050            1055
     903 Gly Pro Arg Ser Lys Pro Ala Ser Pro Lys Leu Ser Pro Glu Pro Gln
E--> 904     1060            1065            1070
     906 Thr Pro Ser Leu Ala Pro Ala Lys Cys Ser Ala Pro Ser Ser Ala Val
E--> 907     1075            1080            1085
     909 Thr Pro Val Pro Pro Ala Ser Leu Leu Gly Ser Gly Thr Lys Pro Gln
E--> 910     1090            1095            1100
     912 Val Gly Leu Thr Ser Arg Cys Pro Ala Glu Ala Val Pro Pro Ala Gly
E--> 913 1105            1110 110          1115 1115          1120 1120
     915 Leu Thr Lys Lys Gly Val Ser Ser Pro Ala Pro Pro Gly Pro
E--> 916             1125            1130
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VERIFICATION SUMMARY   DATE: 05/10/2001
PATENT APPLICATION: US/09/836,392   TIME: 08:43:25

Input Set : **A:\ES.txt**
Output Set: **N:\CRF3\05102001\I836392.raw**

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number
L:898 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:16
M:332 Repeated in SeqNo=16

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/836,392

CRF Processing Date: 5/10/2001
Edited by: _____
Verified by: _____ (STIC staff)

ENTERED

☐ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was wrapped down to the next line.

☐ Edited a format error in the Current Application Data section, specifically:
_____

☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.

☐ Added the mandatory heading and subheadings for "Current Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:
_____

☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
_____

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
_____

☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included: .

☐ Deleted extra, invalid, headings used by an applicant, specifically:
_____

☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as_____.

☐ Inserted mandatory headings, specifically: _____

☐ Corrected an obvious error in the response, specifically:
_____

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically:
_____

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

☑ Other: corrected amino acid nos. - Seq. 16
_____
_____
_____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.
3/1/95